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**YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT**  
**1947 Galileo Court, Suite 103, Davis, CA 95618**  
**(530) 757-3650**

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**PROPOSED TITLE V OPERATING PERMIT**

**Permit Number: F-00555-~~34~~**

**ISSUED TO:**

California State Prison-Solano  
2100 Peabody Road  
Vacaville, CA 95696-4000

**PLANT SITE LOCATION:**

2100 Peabody Road  
Vacaville, CA 95696-4000

**ISSUED BY:**

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Mat Ehrhardt, P.E., Air Pollution Control Officer

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Date

**PROPOSED**

~~August 28, 2009~~October 21, 2010

**EFFECTIVE**

**PROPOSED**

**EXPIRATION**

October 19, 2010

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**Nature of Business:** Correctional Detention Center

**SIC Code:** 9223

**Responsible Official:**

**Name:** Wayne Houston

**Title:** Correctional Plant Manager II

**Phone:** (707) 454-3286

**Site Contact Person:**

**Name:** James Plunkett

**Title:** Prison Industries Manager

**Phone:** (707) 454-3287

## TABLE OF CONTENTS

<b>I.</b>	<b>FACILITY EMISSION UNITS AND EQUIPMENT LISTS:</b>	<b>1</b>
A.	Insignificant Emissions Units	1
B.	Significant Emissions Units	1
<b>II.</b>	<b>SPECIFIC UNIT REQUIREMENTS</b>	<b><del>45</del> 45</b>
A.	Emission Limits	<del>45</del> 45
B.	Work Practice and Operational Requirements	<del>68</del> 68
C.	Monitoring and Testing Requirements	<del>17</del> 22
D.	Recordkeeping Requirements	<del>17</del> 22
<b>III.</b>	<b>FACILITY WIDE REQUIREMENTS</b>	<b><del>18</del> 25</b>
A.	Opacity	<del>18</del> 25
B.	Nuisance	<del>19</del> 25
C.	Circumvention	<del>19</del> 25
D.	General Permit Requirements	<del>19</del> 26
<b>IV.</b>	<b>TITLE V GENERAL REQUIREMENTS</b>	<b><del>20</del> 27</b>
A.	Right of Entry	<del>20</del> 27
B.	Compliance with Permit Conditions	<del>20</del> 27
C.	Emergency Provisions	<del>21</del> 27
D.	Severability	<del>21</del> 28
E.	Compliance Certification	<del>21</del> 28
F.	Permit Life	<del>22</del> 29
G.	Payment of Fees	<del>22</del> 29
H.	Permit Revision Exemption.	<del>22</del> 29
I.	Application Requirements	<del>22</del> 29
J.	Permit Reopening for Cause	<del>23</del> 30
K.	Recordkeeping	<del>23</del> 30
L.	Reporting Requirements	<del>23</del> 31

[Note: Approximate page numbers in the final operating permit.]

**I. FACILITY EMISSION UNITS AND EQUIPMENT LISTS:**

**A. Insignificant Emissions Units**

Insignificant emissions units or exempted equipment may be supplemented, replaced or modified with non-identical equipment without notice provided exemption status has not changed as defined in current district or federal rules. The equipment listed in Table 1 is a partial listing of equipment currently identified as exempt or insignificant and not required to obtain an operating permit pursuant to Rule 3.2 of the Yolo-Solano Air Quality Management District.

**Table 1** Exempted And Insignificant Emissions Units (partial listing)

Insignificant Equipment Description	Basis for Exemption
Stationary Internal Combustion (IC) Engine	Rule 3.2, Section 105.1
Metal Cutting Fluid	Rule 3.2, Section 113
Comfort Cooling Systems	Rule 3.2, Section 103
Misc. Maintenance Solvent Cleaning	Rule 3.2, Section 113
Welding Operations	Rule 3.2, Section 113
Book Printing Operation	Rule 3.2, Section 113

**B. Significant Emissions Units Information**

Each of the sources has been constructed pursuant to issuance of an authority to construct in accordance with District Rules 3.1 and 3.4.

**Identification Number:** **P-41-88(a1)**, Metal Parts & Products Coating Operation (Liquid and Powder Coating)

**Equipment Description:** One (1) 16' x 16' x 30' liquid spray booth with HVLP guns; one (1) 10' x 10' x 34' powder spray booth with electrostatic guns; and one (1) 2.15 MMBtu/hr natural gas fired oven burner.

**Control Equipment:** Two (2) 20 HP exhaust fans with dry filter system serving the liquid booth; and one (1) 60 HP exhaust

fan with dry cartridge filter system serving the powder booth.

**Identification Number:** P-42-88, Enclosed Steel Shot Blasting

**Equipment Description:** One (1) Pauli and Griffen enclosed blasting booth, Model No. 1540, Serial No. 2657; and one (1) 50 HP air compressor.

**Control Equipment:** EPA-approved blasting steel shot with dry filter system rated at 5,400 CFM.

**Identification Number:** P-53-88(a), ~~Automotive~~—Coating Operation:  
Automotive

**Equipment Description:** ~~One (1)~~ 52' x 15' x 16' spray booth with HVLP spray gun(s) and enclosed gun washer.

**Control Equipment:** Exhaust fan ~~and~~with dry filter system  
(~~20,600~~10,000 CFM)

**Identification Number:** P-3-90, Wood Products Coating Operation

**Equipment Description:** One (1) 8'4" x 7'4" x 10'2" spray booth with spray gun(s), and enclosed gun washer.

**Control Equipment:** Exhaust fan with dry filter system (7,285 CFM).

**Identification Number:** P-35-92, Woodworking Operation

**Equipment Description:** Various woodworking equipment (total electric horsepower rating not to exceed 90 HP).

**Control Equipment:** One (1) Baldor cyclone, Model NO. 4104T (18,000 CFM); and one (1) 18 bag, 8' x 18" baghouse.

**Identification Number:** P-36-92, Woodworking Operation

**Equipment Description:** One (1) 3/4 HP jointer; one (1) 1 ½ HP table saw; one (1) 5 HP radial arm saw; and one (1) 1 HP belt sander.

Control Equipment: One (1) Torit cyclone, Model No. 36 (18,000 CFM); and one (1) 12-bag, 8' x 18" baghouse.

**Identification Number:** P-77-92(a), Letterpress and Silkscreen Printing

Equipment Description: One (1) Heidelberg letterpress; three (3) Brandtjen & Kluge, Inc. letterpresses; four (4) American M&M Cameo screenprinting presses; one (1) Cincinnati Printing & Drying System UV Dryer; and one (1) American Screen Printing UV dryer.

Control Equipment: None.

**Identification Number:** P-27-95, Emergency IC Engine

Equipment Description: 960 BHP diesel fired Detroit Diesel IC engine, Model No. 16V-92T 8163-7305, Serial No. 16VF006390.

Control Equipment: Turbocharger.

**Identification Number:** P-28-95, Emergency IC Engine

Equipment Description: 940 BHP diesel fired Mitsubishi IC engine, Model No. S12A2PT.

Control Equipment: Turbocharger and aftercooler.

**Identification Number:** P-29-95, Emergency IC Engine

Equipment Description: 960 BHP diesel fired Detroit Diesel IC engine, Model No. 16V-92T 8163-7305, Serial No. 16VF006382.

Control Equipment: Turbocharger.

**Identification Number:** P-30-95, Emergency IC Engine

Equipment Description: 940 BHP diesel fired Mitsubishi IC engine, Model No. S12A-PTA, Serial No. 11082.

Control Equipment: Turbocharger and aftercooler.

**Identification Number:** P-31-95, Emergency IC Engine

Equipment Description: 750 BHP diesel fired Mitsubishi IC engine, Model No. S6N-PTA-2 DS00SF, Serial No. 22041.

Control Equipment: Turbocharger and aftercooler.

**Identification Number:** **P-133-95**, Automotive and Metal Parts & Products Coating Operation

Equipment Description: One (1) 14' x 10' x 27' paint spray booth with HVLP gun(s); and enclosed gun washer.

Control Equipment: Dry filter system with exhaust fan (30,000 CFM).

**Identification Number:** **P-167-95**, Metal Parts & Products Coating Operation

Equipment Description: One (1) 14' x 9' x 26' spray booth with HVLP spray gun(s), and enclosed gun washer.

Control Equipment: Exhaust fan with dry filter system.

**Identification Number:** **P-55-97**, Institutional Laundry Facility

Equipment Description: Three (3) 2.5 MMBtu/hr Challenge natural gas fired dryers, Model No. CFG-1, Serial No.'s 593-410, 593-411, and 593-412.

Control Equipment: None.

**Identification Number:** **P-22-04(a)**, Metal Parts & Products Coating Operation (Liquid and Powder Coating)

Equipment Description: One (1) 10' x 16' x 10' liquid spray booth with HVLP gun(s); one (1) 10' x 10' x 10' powder spray booth with electrostatic guns; and two (2) 0.75 MMBtu/hr natural gas fired oven burners.

Control Equipment: One (1) 5 HP exhaust fan with dry filter system serving the liquid booth; and two (2) 3 HP exhaust fans with dry cartridge filter system serving the powder booth.

**Identification Number:** **P-64-04**, Emergency IC Engine

Equipment Description: 415 BHP diesel fired Detroit Diesel IC engine, Model No. 6063-MK35R, Serial No. 06R0719432.

Identification Number: P-~~61-09~~51-10, Emergency IC Engine

Equipment Description: 165 BHP diesel fired John Deere IC engine, Model No. 6068TF275F, Serial No. PE6068T673022.

Control Equipment: Turbocharger.

## II. SPECIFIC UNIT REQUIREMENTS

### A. Emission Limits

1. The emissions for each permit unit shall not exceed the following:

Table 2 Permitted Emission Limits

Permit	Pollutant	Daily [lb]	Qtr #1 (Jan 1- Mar 31) [lb]	Qtr #2 (Apr 1- June 30) [lb]	Qtr #3 (July 1- Sept 30) [lb]	Qtr #4 (Oct 1- Dec 31) [lb]	Yearly [tons]
P-41-88(a1)	VOC	231.0	1,089	1,076	1,062	1,062	2.14
	CO	7.4	344	348	351	351	0.70
	NO <sub>x</sub>	8.8	409	414	418	418	0.83
	SO <sub>x</sub>	0.1	2	2	3	3	Neg.
	PM <sub>10</sub>	49.1	328	325	323	323	0.65
P-42-88	PM <sub>10</sub>	0.1	5	5	5	5	0.01
P-53-88(a)	VOC	<del>24.0</del> <u>29.2</u>	<del>2,160</del> <u>1,619</u>	<del>21,841</del> <u>1,637</u>	<del>2,208</del> <u>1,655</u>	<del>2,208</del> <u>1,655</u>	<del>2.88</del> <u>2.17</u>
	PM <sub>10</sub>	<del>0.5</del> <u>2.3</u>	<del>45</del> <u>210</u>	<del>46</del> <u>213</u>	<del>46</del> <u>215</u>	<del>46</del> <u>215</u>	<del>0.06</del> <u>0.28</u>
P-3-90	VOC	36.2	1,040	1,040	1,040	1,040	0.52
P-35-92	PM <sub>10</sub>	2.1	185	187	189	189	0.25
P-36-92	PM <sub>10</sub>	2.3	185	187	189	189	0.28
P-77-92(a)	VOC	22.7	130	130	130	130	0.24
P-27-95	VOC	2.1	25	25	25	25	0.01
	CO	4.7	56	56	56	56	0.03
	NO <sub>x</sub>	21.6	259	259	259	259	0.13
	SO <sub>x</sub>	0.3	4	4	4	4	Neg.
	PM <sub>10</sub>	1.5	18	18	18	18	0.01

Permit	Pollutant	Daily [lb]	Qtr #1 (Jan 1- Mar 31) [lb]	Qtr #2 (Apr 1- June 30) [lb]	Qtr #3 (July 1- Sept 30) [lb]	Qtr #4 (Oct 1- Dec 31) [lb]	Yearly [tons]
P-28-95	VOC	2.1	25	25	25	25	0.01
	CO	4.7	56	56	56	56	0.03
	NO <sub>x</sub>	21.6	259	259	259	259	0.13
	SO <sub>x</sub>	0.3	4	4	4	4	Neg.
	PM <sub>10</sub>	1.5	18	18	18	18	0.01
P-29-95	VOC	2.1	25	25	25	25	0.01
	CO	4.7	56	56	56	56	0.03
	NO <sub>x</sub>	21.6	259	259	259	259	0.13
	SO <sub>x</sub>	0.3	4	4	4	4	Neg.
	PM <sub>10</sub>	1.5	18	18	18	18	0.01
P-30-95	VOC	2.1	25	25	25	25	0.01
	CO	4.7	56	56	56	56	0.03
	NO <sub>x</sub>	21.6	259	259	259	259	0.13
	SO <sub>x</sub>	0.3	4	4	4	4	Neg.
	PM <sub>10</sub>	1.5	18	18	18	18	0.01
P-31-95	VOC	1.8	21	21	21	21	0.01
	CO	4.1	49	49	49	49	0.02
	NO <sub>x</sub>	18.8	225	225	225	225	0.11
	SO <sub>x</sub>	0.3	3	3	3	3	Neg.
	PM <sub>10</sub>	1.3	16	16	16	16	0.01
P-133-95	VOC	41.4	2,153	2,153	2,153	2,153	5.23
	PM <sub>10</sub>	5.9	306	306	306	306	0.71
P-167-95	VOC	12.6	819	819	819	819	0.46
	PM <sub>10</sub>	0.4	27	27	27	27	0.02
P-55-97	VOC	<del>0.38</del> 0.4	34	34	34	34	0.06
	CO	<del>1.5</del>	135	135	135	135	0.23
	NO <sub>x</sub>	<del>7.1</del>	643	643	643	643	1.11
	SO <sub>x</sub>	<del>0.04</del> Neg.	4	4	4	4	0.01
	PM <sub>10</sub>	<del>0.86</del> 9	77	77	77	77	0.13



Permit	Pollutant	Daily [lb]	Qtr #1 (Jan 1- Mar 31) [lb]	Qtr #2 (Apr 1- June 30) [lb]	Qtr #3 (July 1- Sept 30) [lb]	Qtr #4 (Oct 1- Dec 31) [lb]	Yearly [tons]
P-22-04(a)	VOC	115.7	595	606	637	637	1.24
	CO	3.0	272	275	278	278	0.55
	NO <sub>x</sub>	3.6	324	328	331	331	0.66
	SO <sub>x</sub>	Neg.	2	2	2	2	Neg.
	PM <sub>10</sub>	25.3	221	224	231	231	0.45
P-64-04	VOC	2. <del>32</del>	1 <del>98</del>	1 <del>98</del>	1 <del>98</del>	1 <del>98</del>	0.01
	CO	9.9	8 <del>32</del>	8 <del>32</del>	8 <del>32</del>	8 <del>32</del>	0.04
	NO <sub>x</sub>	96.6	805	805	805	805	0.40
	SO <sub>x</sub>	<del>4.00.1</del>	<del>341</del>	<del>341</del>	<del>341</del>	<del>341</del>	<del>0.02</del> Neg.
	PM <sub>10</sub>	1. <del>65</del>	13	13	13	13	0.01
P- <del>61-0951-</del> 10	VOC	10.0	83	83	83	83	0.04
	CO	7.8	65	65	65	65	0.03
	NO <sub>x</sub>	32.6	271	271	271	271	0.14
	SO <sub>x</sub>	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
	PM <sub>10</sub>	1.9	16	16	16	16	0.01

[District Rule 3.4]

2. For P-53-88(a) and P-51-10, the Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:
  - a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
  - b. Greater than 20% opacity. [District Rule 2.3 and District Rule 3.4/C-08-258 and C-10-30]
3. For P-22-04(a), the emissions of volatile organic compounds (VOCs) from the application of liquid coating shall not exceed 115.0 pounds/day, 552 pounds/1<sup>st</sup> calendar quarter, 564 pounds/2<sup>nd</sup> calendar quarter, 593 pounds/3<sup>rd</sup> calendar quarter, 593 pounds/4<sup>th</sup> calendar quarter, and 2,300 pounds/year. [District Rule 3.4/C-07-176]
4. For P-53-88(a), Volatile Organic Compound (VOC) emissions from the coating operation shall not exceed 29.2 pounds/day, 1,619 pounds/1<sup>st</sup> calendar quarter, 1,637 pounds/2<sup>nd</sup> calendar quarter, 1,655 pounds/3<sup>rd</sup> calendar quarter, 1,655 pounds/4<sup>th</sup> calendar quarter, and 4,348 pounds/year. [District Rule 3.4/C-10-30]

**B. Work Practice and Operational Requirements**

**Process Limits For Permit Units**

**P-41-88(a1), Metal Parts & Products Coating Operation**

- ~~25~~. The general coating usage shall not exceed 100 gallons/day, 453 gallons/1<sup>st</sup> calendar quarter, 447 gallons/2<sup>nd</sup> calendar quarter, 471 gallons/3<sup>rd</sup> calendar quarter, 451 gallons /4<sup>th</sup> calendar quarter, and 1,782 gallons/year. [District Rule 3.4/~~P-41-88(a1)~~C-02-142]
- ~~36~~. The powder coating usage shall not exceed 50 pounds/day, 2,490 pounds/1<sup>st</sup> calendar quarter, 2,495 pounds/2<sup>nd</sup> calendar quarter, 2,508 pounds/3<sup>rd</sup> calendar quarter, 2,508 pounds/4<sup>th</sup> calendar quarter, and 10,000 pounds/year. [District Rule 3.4/~~P-41-88(a1)~~C-02-142]
- ~~47~~. The burner's maximum natural fuel consumption rate shall not exceed 0.0516 million cubic feet/day, 4.090 million cubic feet/1<sup>st</sup> calendar quarter, 4.140 million cubic feet/2<sup>nd</sup> calendar quarter, 4.180 million cubic feet/3<sup>rd</sup> calendar quarter, 4.180 million cubic feet/4<sup>th</sup> calendar quarter, and 16.590 million cubic feet/year. [District Rule 3.4/~~P-41-88(a1)~~C-02-142]

**P-22-04(a), Metal Parts & Products Coating Operation**

- ~~58~~. The emissions of volatile organic compounds (VOCs) from the application of liquid coating ~~processes~~ shall not exceed 115.~~50~~ 52 pounds/day, ~~577~~552 pounds/1<sup>st</sup> calendar quarter, ~~588~~564 pounds/2<sup>nd</sup> calendar quarter, ~~618~~593 pounds/3<sup>rd</sup> calendar quarter, ~~618~~593 pounds/4<sup>th</sup> calendar quarter, and ~~2,400~~ 2,300 pounds/year. [District Rule 3.4/C-07-176]
- ~~9~~. The usage of powder coatings shall not exceed 50 pounds/day, 2,490 pounds/1<sup>st</sup> calendar quarter, 2,495 pounds/2<sup>nd</sup> calendar quarter, 2,508 pounds/3<sup>rd</sup> calendar quarter, 2,508 pounds/4<sup>th</sup> calendar quarter, and 10,000 pounds/year. [District Rule 3.4/C-07-176]
- ~~610~~. The burner's maximum natural fuel consumption rate shall not exceed 0.036 million cubic feet/day, 3.240 million cubic feet/1<sup>st</sup> calendar quarter, 3.276 million cubic feet/2<sup>nd</sup> calendar quarter, 3.312 million cubic feet/3<sup>rd</sup> calendar quarter, 3.312 million cubic feet/4<sup>th</sup> calendar quarter, and 13.140 million cubic feet/year. [District Rule 3.4/C-07-176]

**P-41-88(a1) and P-22-04(a), Fuel Usage Cap**

- ~~7~~11. The combined natural gas usage of the equipment of P-41-88(a1) and P-22-04(a) shall not exceed ~~0.0876 million cubic feet/day~~, 4.090 million cubic feet in the 1<sup>st</sup> calendar quarter, 4.140 million cubic feet in the 2<sup>nd</sup> calendar quarter, 4.180 million cubic feet in the 3<sup>rd</sup> calendar quarter, 4.180 million cubic feet in the 4<sup>th</sup> calendar quarter, and 16.590 million cubic feet in the calendar year. [District Rule 3.4/C-02-142, C-07-176]

**P-42-88, Abrasive Blasting Operation**

- ~~8~~12. The process' steel shot (greater than 80 grit) consumption shall not exceed 25 pounds/day, 1,300 pounds/1<sup>st</sup> calendar quarter, 1,300 pounds/2<sup>nd</sup> calendar quarter, 1,300 pounds/3<sup>rd</sup> calendar quarter, 1,300 pounds/4<sup>th</sup> calendar quarter, and 2.5 tons/year. [District Rule 3.4/P-42-88]

**P-53-88(a), ~~Automotive~~ Coating Operation: Automotive**

- ~~9~~13. ~~The topcoat coating (which includes solid colors, metallic/iridescent and multi-stage topcoats) usage shall not exceed 5.0 gallons/day, 450 gallons/1<sup>st</sup> calendar quarter, 455 gallons/2<sup>nd</sup> calendar quarter, 460 gallons/3<sup>rd</sup> calendar quarter, 460 gallons/4<sup>th</sup> calendar quarter, and 1,200 gallons/year. Volatile Organic Compound (VOC) emissions from the coating operation shall not exceed 29.2 pounds/day, 1,619 pounds/1<sup>st</sup> calendar quarter, 1,637 pounds/2<sup>nd</sup> calendar quarter, 1,655 pounds/3<sup>rd</sup> calendar quarter, 1,655 pounds/4<sup>th</sup> calendar quarter, and 4,348 pounds/year.~~ [District Rule 3.4/~~P-53-88~~C-10-30]
- ~~10~~. ~~The surface preparation and cleanup solvent usage shall not exceed 2.5 gallons/day, 225 gallons/1<sup>st</sup> calendar quarter, 228 gallons/2<sup>nd</sup> calendar quarter, 230 gallons/3<sup>rd</sup> calendar quarter, 230 gallons/4<sup>th</sup> calendar quarter, and 600 gallons/year.~~ [District Rule 3.4/P-53-88]

**P-3-90, Wood Products Coating Operation**

- ~~11~~14. The coating usage shall not exceed 3.0 gallons/day, 195 gallons/1<sup>st</sup> calendar quarter, 195 gallons/2<sup>nd</sup> calendar quarter, 195 gallons/3<sup>rd</sup> calendar quarter, 195 gallons/4<sup>th</sup> calendar quarter, and 300 gallons/year. [District Rule 3.4/P-3-90]
- ~~12~~15. The surface preparation and cleanup solvent usage shall not exceed 5 gallons/day, 60 gallons/1<sup>st</sup> calendar quarter, 60 gallons/2<sup>nd</sup> calendar quarter, 60

gallons/3<sup>rd</sup> calendar quarter, 60 gallons/4<sup>th</sup> calendar quarter, and 60 gallons/year.  
[District Rule 3.4/P-3-90]

**P-35-92, Woodworking Operation**

~~13~~16. The wood throughput for the process shall not exceed 500 board-feet/day, 12,500 board-feet/1<sup>st</sup> calendar quarter, 12,500 board-feet/2<sup>nd</sup> calendar quarter, 12,500 board-feet/3<sup>rd</sup> calendar quarter, 12,500 board-feet/4<sup>th</sup> calendar quarter, and 12,500 board-feet/year. [District Rule 3.4/P-35-92]

**P-36-92, Woodworking Operation**

~~14~~17. The wood throughput for the process shall not exceed 500 board-feet/day, 12,500 board-feet/1<sup>st</sup> calendar quarter, 12,500 board-feet/2<sup>nd</sup> calendar quarter, 12,500 board-feet/3<sup>rd</sup> calendar quarter, 12,500 board-feet/4<sup>th</sup> calendar quarter, and 12,500 board-feet/year. [District Rule 3.4/P-36-92]

**P-77-92(a), Letterpress and Silkscreen Printing Operation**

~~15~~18. The letterpress ink usage shall not exceed 22.5 pounds/day, 570.0 pounds/1<sup>st</sup> calendar quarter, 570.0 pounds/2<sup>nd</sup> calendar quarter, 570.0 pounds/3<sup>rd</sup> calendar quarter, 570.0 pounds/4<sup>th</sup> calendar quarter, and 2,000.0 pounds/year. [District Rule 3.4/C-06-64]

~~16~~19. The high-VOC silkscreen ink usage shall not exceed 1.0 pound/day, 1.0 pound/1<sup>st</sup> calendar quarter, 1.0 pound/2<sup>nd</sup> calendar quarter, 1.0 pound/3<sup>rd</sup> calendar quarter, 1.0 pound/4<sup>th</sup> calendar quarter, and 4.0 pounds/year. [District Rule 3.4/C-06-64]

~~17~~20. The medium-VOC silkscreen ink usage shall not exceed 10.0 pounds/day, 10.0 pounds/1<sup>st</sup> calendar quarter, 10.0 pounds/2<sup>nd</sup> calendar quarter, 10.0 pounds/3<sup>rd</sup> calendar quarter, 10.0 pounds/4<sup>th</sup> calendar quarter, and 40.0 pounds/year. [District Rule 3.4/C-06-64]

~~18~~21. The low-VOC silkscreen ink usage shall not exceed 50.0 pounds/day, 50.0 pounds/1<sup>st</sup> calendar quarter, 50.0 pounds/2<sup>nd</sup> calendar quarter, 50.0 pounds/3<sup>rd</sup> calendar quarter, 50.0 pounds/4<sup>th</sup> calendar quarter, and 200.0 pounds/year. [District Rule 3.4/C-06-64]

~~19~~22. The adhesive usage shall not exceed ~~1.0~~0.5 gallon/day, 1.0 gallon/1<sup>st</sup> calendar quarter, 1.0 gallon/2<sup>nd</sup> calendar quarter, 1.0 gallon/3<sup>rd</sup> calendar quarter, 1.0 gallon/4<sup>th</sup> calendar quarter, and 2.0 gallons/year. [District Rule 3.4/C-06-64]

~~20~~23. The combined surface preparation and equipment cleanup solvent usage shall not exceed 1.~~50~~33 gallons/day, ~~21.8~~16.5 gallons/1<sup>st</sup> calendar quarter, ~~21.8~~16.5 gallons/2<sup>nd</sup> calendar quarter, ~~21.8~~16.5 gallons/3<sup>rd</sup> calendar quarter, ~~21.8~~16.5 gallons/4<sup>th</sup> calendar quarter, and ~~83.8~~61.0 gallons/year. [District Rule 3.4/C-06-64]

**P-27-95, P-28-95, P-29-95, & P-30-95, Emergency IC Engines**

~~21~~24. The maximum diesel fuel consumption rate for any single engine shall not exceed 46 gallons/day, 552 gallons/1<sup>st</sup> calendar quarter, 552 gallons/2<sup>nd</sup> calendar quarter, 552 gallons/3<sup>rd</sup> calendar quarter, 552 gallons/4<sup>th</sup> calendar quarter, and 552 gallons/year. [District Rule 3.4/P-27-95, P-28-95, P-29-95, and P-30-95]

**P-31-95, Emergency IC Engine**

~~22~~25. The unit's maximum diesel fuel consumption rate shall not exceed 40 gallons/day, 480 gallons/1<sup>st</sup> calendar quarter, 480 gallons/2<sup>nd</sup> calendar quarter, 480 gallons/3<sup>rd</sup> calendar quarter, 480 gallons/4<sup>th</sup> calendar quarter, and 480 gallons/year. [District Rule 3.4/P-31-95]

**P-133-95, Automotive and Metal Parts Coating Operation**

~~23~~26. The automotive primer usage shall not exceed 312 gallons/1<sup>st</sup> calendar quarter, 312 gallons/2<sup>nd</sup> calendar quarter, 312 gallons/3<sup>rd</sup> calendar quarter, 312 gallons/4<sup>th</sup> calendar quarter, and 1,250 gallons/year. [District Rule 3.4/P-133-95]

~~24~~27. The automotive topcoat usage shall not exceed 312 gallons/1<sup>st</sup> calendar quarter, 312 gallons/2<sup>nd</sup> calendar quarter, 312 gallons/3<sup>rd</sup> calendar quarter, 312 gallons/4<sup>th</sup> calendar quarter, and 1,675 gallons/year. [District Rule 3.4/P-133-95]

~~25~~28. The general coating usage shall not exceed 624 gallons/1<sup>st</sup> calendar quarter, 624 gallons/2<sup>nd</sup> calendar quarter, 624 gallons/3<sup>rd</sup> calendar quarter, 624 gallons/4<sup>th</sup> calendar quarter, and 2,925 gallons/year. [District Rule 3.4/P-133-95]

~~26~~29. The total coating usage on a quarterly basis shall be limited to any combination of compliant automotive and metal coatings listed not to exceed the permitted emission limits allowed by P-133-95. [District Rule 3.4/P-133-95]

~~27~~30. The surface preparation and cleanup solvent usage shall not exceed 5.0 gallons/day, 260 gallons/1<sup>st</sup> calendar quarter, 260 gallons/2<sup>nd</sup> calendar quarter, 260 gallons/3<sup>rd</sup> calendar quarter, 260 gallons/4<sup>th</sup> calendar quarter, and 1,040 gallons/year. [District Rule 3.4/P-133-95]

**P-167-95, Metal Parts & Products Coating Operation**

~~28~~31. The general coating usage shall not exceed 2.0 gallons/day, 130 gallons/1<sup>st</sup> calendar quarter, 130 gallons/2<sup>nd</sup> calendar quarter, 130 gallons/3<sup>rd</sup> calendar quarter, 130 gallons/4<sup>th</sup> calendar quarter, and 300 gallons/year. [District Rule 3.4/P-167-95]

~~29~~32. The high gloss coating usage shall not exceed 1.0 gallons/day, 65 gallons/1<sup>st</sup> calendar quarter, 65 gallons/2<sup>nd</sup> calendar quarter, 65 gallons/3<sup>rd</sup> calendar quarter, 65 gallons/4<sup>th</sup> calendar quarter, and 150 gallons/year. [District Rule 3.4/P-167-95]

~~30~~33. The pretreatment wash primer coating usage shall not exceed 1.0 gallons/day, 65 gallons/1<sup>st</sup> calendar quarter, 65 gallons/2<sup>nd</sup> calendar quarter, 65 gallons/3<sup>rd</sup> calendar quarter, 65 gallons/4<sup>th</sup> calendar quarter, and 150 gallons/year. [District Rule 3.4/P-167-95]

**P-55-97, Institutional Laundry Facility**

~~31~~34. The maximum natural gas fuel consumption rate for the dryers shall not exceed 0.0714 million cubic feet/day, 6.43~~0~~ million cubic feet/1<sup>st</sup> calendar quarter, 6.43~~0~~ million cubic feet/2<sup>nd</sup> calendar quarter, 6.43~~0~~ million cubic feet/3<sup>rd</sup> calendar quarter, 6.43~~0~~ million cubic feet/4<sup>th</sup> calendar quarter, and 22.29 million cubic feet/year. [District Rule 3.4/P-55-97]

**P-64-04, Emergency IC Engine**

~~32~~35. The unit's maximum diesel fuel consumption rate shall not exceed ~~2,083~~418 gallons/day, ~~17,360~~3,480 gallons/1<sup>st</sup> calendar quarter, ~~17,360~~3,480 gallons/2<sup>nd</sup> calendar quarter, ~~17,360~~3,480 gallons/3<sup>rd</sup> calendar quarter, ~~17,360~~3,480 gallons/4<sup>th</sup> calendar quarter, and ~~17,360~~3,480 gallons/year. [District Rule 3.4/P-64-04]

**P-~~61-09~~51-10, Emergency IC Engine**

~~33~~36. The unit's maximum diesel fuel consumption rate shall not exceed 207 gallons/day, 1,724 gallons/1<sup>st</sup> calendar quarter, 1,724 gallons/2<sup>nd</sup> calendar quarter, 1,724 gallons/3<sup>rd</sup> calendar quarter, 1,724 gallons/4<sup>th</sup> calendar quarter, and 1,724 gallons/year. [District Rule 3.4/C-08-258]

**Metal Parts & Products Coating Operations**

~~34~~37. The Permit Holder shall not apply coatings to metal parts and products unless the coatings are applied using properly operated equipment, and by using one of the following application methods or other high transfer efficiency application equipment which has been approved, in writing, by the Air Pollution Control Officer (APCO):

- a. Electrostatic attraction operated in accordance with manufacturer's recommendations;
- b. High-volume, low-pressure (HVLP) spray system operated in accordance with manufacturer's recommendations;
- c. Flow coat;
- d. Dip coat;
- e. Hand coat; or
- f. Roll coat. [District Rule 2.25, §302]

~~35~~38. For P-41-88(a1) and P-22-04(a), all liquid coatings shall be applied in the liquid paint booths with filters in place and exhaust fans operating. [District Rule 3.4/C-02-142, C-07-176]

~~36~~39. For P-41-88(a1) and P-22-04(a), all powder coatings shall be applied in the powder paint booth with the filters in place, the electrostatic system and the exhaust fans operating. [District Rule 3.4/C-02-142, C-07-176]

~~37~~40. For P-167-95, all painting shall be conducted in the booth with filters in place and fan operating. [District Rule 3.4/P-167-95]

~~38~~41. For P-41-88(a1) and P-22-04(a), the Permit Holder shall not apply any general, baked (liquid) coatings to metal parts and products, which containing in excess of 2.3 lb/gal (275 g/L), including any VOC-containing materials added to the original liquid coatings supplied by the manufacturer, excluding water and exempt compounds. [District Rule 2.25, §301/P-41-88(a1), C-07-176]

~~39~~42. For P-41-88(a1) and P-22-04(a), the Permit Holder shall not apply to metal parts and products any powder coatings which contain VOC in excess of 0.01 lb/lb of powder coating. [District Rule 3.4/P-41-88(a1), C-07-176]

~~40~~43. For P-133-95, the Permit Holder shall not apply any general, air-dried coatings to metal parts and products, which containing in excess of 2.8 lb/gal (340 g/L), including any VOC-containing materials added to the original liquid coatings supplied by the manufacturer, excluding water and exempt compounds. [District Rule 2.25, §301/P-133-95]

~~41~~44. For P-167-95, the Permit Holder shall not apply to metal parts and products any coating with a VOC-content in excess of the limits specified in the table below:

Table 3 Metal Parts Coating VOC-Content Limits

COATING VOC-content *		
Coating Category	Baked	Air Dried
<b>General:</b>	275 g/L (2.3 lb/gal)	340 g/L (2.8 lb/gal)
<b>Specialty:</b> Etching Filler	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Solar-Absorbent	360 g/L (3.0 lb/gal)	420 g/L (3.5 lb/gal)
Heat-Resistant	360 g/L (3.0 lb/gal)	420 g/L (3.5 lb/gal)
High Gloss	360 g/L (3.0 lb/gal)	420 g/L (3.5 lb/gal)
Metallic	360 g/L (3.0 lb/gal)	420 g/L (3.5 lb/gal)
Extreme Performance	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Silicone Release	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
High Performance Architectural	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Camouflage	360 g/L (3.0 lb/gal)	420 g/L (3.5 lb/gal)
Vacuum-Metalizing	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Mold-Seal	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
High Temperature	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Pan Backing	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)
Pretreatment Wash Primer**	420 g/L (3.5 lb/gal)	420 g/L (3.5 lb/gal)

\* Units are grams of VOC per liter of coating (pounds per gallon), less water and exempt compounds.

\*\* No maximum solids content restriction.

[District Rule 2.25, §301/P-167-95]

~~42~~45. For P-41-88(a1) and P-22-04, the Permit Holder shall not use any VOC-containing solvent material for the preparation or cleanup of surfaces, the cleaning of spray equipment, or the removal of paint. [District Rule 3.4/P-41-88(a1), C-07-176]



~~43~~46. For P-133-95 and P-167-95, the Permit Holder shall not use VOC-containing materials which have a VOC-content in excess of 200 g/L (1.67 lb/gal) of material for surface preparation unless such material has an initial boiling point of greater than 190 degrees Celsius as determined by the method specified in Section 501.6. [District Rule 2.25, §304.1/P-133-95, P-167-95]

~~44~~47. For P-167-95, the Permit Holder shall not use VOC-containing materials for the cleanup of spray equipment, unless the spray equipment is disassembled and cleaned in an enclosed spray gun cleaner. [District Rule 2.25, §304.2/P-167-95]

### **Automotive Coating Operations**

~~45~~48. For P-53-88(a), the Permit Holder shall not apply to any motor vehicle, mobile equipment, or associated parts and components by any method other than high volume low pressure (HVLP) spray equipment, unless such equipment has written approval from the District. ~~coating to any Group I or II vehicles or mobile equipment or their parts and components, unless one of the following methods is used (operated in accordance with the manufacturer's recommendations):~~

- ~~a. Electrostatic application equipment;~~
- ~~b. High-volume low-pressure (HVLP) spray equipment;~~
- ~~c. Any other coating application method which has been demonstrated to has a transfer efficiency of 65% or greater. [District Rule 2.26, §303 (adopted April 27, 1994)/P-53-88]~~ District Rule 2.26 §304 and District Rule 3.4/C-10-30]

~~46~~49. For P-133-95, the Permit Holder shall not apply coating to any Group I or II vehicles or mobile equipment or their parts and components, unless one of the following methods is used (operated in accordance with the manufacturer's recommendations):

- a. Electrostatic application equipment;
- b. High-volume low-pressure (HVLP) spray equipment;
- c. Any other coating application method which has been demonstrated to has a transfer efficiency of 65% or greater and which is approved by the US EPA. [District Rule 2.26, §302 (adopted November 9, 1994)/P-133-95]

~~47~~50. For P-53-88(a), all painting shall be conducted in the booth with filters in place, ~~and~~ fan operating, and doors closed. [District Rule 3.4/~~P-53-88~~C-10-30]

51. For P-53-88(a), the Permit Holder shall not release or discharge into the atmosphere, particulate matter in excess of 0.001 grains per cubic foot of exhaust volume as calculated at standard conditions. [District Rule 3.4/C-10-30]

~~48~~52. ~~For P-53-88, the Permit Holder shall not refinish Group I vehicles, their parts and components, or Group II vehicles and mobile equipment where color match is required, using a solid color topcoat coating with a VOC-content in excess 420 g/L (or 3.5 lb/gal) of coating applied, excluding water and exempt compounds.~~ For P-53-88(a), the Permit Holder shall not apply to any motor vehicle, mobile equipment, or associated parts and components, any coating with a VOC regulatory content (less water and exempt compounds) in excess of the following limits:

<u>COATING TYPE</u>	<u>REGULATORY VOC CONTENT</u>
<u>Adhesion Promoter</u>	<u>540 g/l (4.5 lb/gal)</u>
<u>Clear Coating</u>	<u>250 g/l (2.1 lb/gal)</u>
<u>Color Coating</u>	<u>420 g/l (3.5 lb/gal)</u>
<u>Multi-Color Coating</u>	<u>680 g/l (5.7 lb/gal)</u>
<u>Pretreatment Coating</u>	<u>660 g/l (5.5 lb/gal)</u>
<u>Primer</u>	<u>250 g/l (2.1 lb/gal)</u>
<u>Primer Sealer</u>	<u>250 g/l (2.1 lb/gal)</u>
<u>Single-Stage Coating</u>	<u>340 g/l (2.8 lb/gal)</u>
<u>Temporary Protective Coating</u>	<u>60 g/l (0.5 lb/gal)</u>
<u>Truck Bed Liner Coating</u>	<u>310 g/l (2.6 lb/gal)</u>
<u>Underbody Coating</u>	<u>430 g/l (3.6 lb/gal)</u>
<u>Uniform Finish Coating</u>	<u>540 g/l (4.5 lb/gal)</u>
<u>Any Other Coating Type</u>	<u>250 g/l (2.1 lb/gal)</u>

~~[District Rule 2.26, §301 (adopted April 27, 1994)/P-53-88]~~ District Rule 2.26 §302 and District Rule 3.4/C-10-30]

53. For P-53-88(a), if anywhere on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed above, then the lowest VOC content limit shall apply. [District Rule 2.26, §303 and District Rule 3.4]

54. For P-53-88(a), the Permit Holder shall not use or possess any automotive coatings containing hexavalent chromium or cadmium. [District Rule 2.26, §308 and District Rule 3.4]

55. For P-53-88(a), until January 1, 2011, the maximum VOC content of solvents used for product cleaning, and the cleaning of coating equipment shall not exceed 50 g/l (0.42 lb/gallon). [District Rule 2.31 §301 and District Rule 3.4/C-10-30]
56. For P-53-88(a), effective January 1, 2011, the maximum VOC content of solvents used for product cleaning, and the cleaning of coating equipment shall not exceed 25 g/l (0.21 lb/gallon). [District Rule 2.31 §301 and District Rule 3.4/C-10-30]
57. For P-53-88(a), the Permit Holder shall only use the following methods to apply solvents with a VOC-content greater than 25 g/l (0.21 lb/gallon) process used for surface preparation:
- a. Wipe Cleaning;
  - b. Spray bottles or containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
  - c. Any other method approved by the District. [District Rule 2.31 §302 and District Rule 3.4/C-10-30]
58. For P-53-88(a), the Permit Holder shall not use VOC containing materials with a VOC content greater than 25 g/l (0.21 lb/gallon) for the cleanup of coating equipment unless:
- a. The system must fully enclose the spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures;
  - b. The system must be used according to the manufacturer's recommendations; and
  - c. The system must be closed when not in use. [District Rule 2.31 §301 and §306 District Rule 3.4/C-10-30]
- ~~49~~59. For P-133-95, the Permit Holder shall not refinish Group I vehicles, their parts and components, or Group II vehicles and mobile equipment where color match is required, using any coating with a VOC-content in excess of the following limits, expressed as grams of VOC per liter (or pounds per gallon) of coating applied, excluding water and exempt compounds:

Table 4      Group I Automotive Coating VOC-content Limits

COATING	VOC
Primer Sealer	420 g/L (3.5 lb/gal)
Solid Color Topcoat	420 g/L (3.5 lb/gal)

[District Rule 2.26, §301 (adopted November 9, 1994)/P-133-95]

~~50. For P-53-88, the Permit Holder shall not finish or refinish Group II vehicles and mobile equipment or their parts where color match is not required, using a solid color topcoat coating with a VOC-content in excess 2.8 lb/gal (or 340 g/L) of coating applied, excluding water and exempt compounds. [District Rule 2.26, §301.2 (adopted April 27, 1994)/P-53-88]~~

~~51~~60. For P-133-95, the Permit Holder shall not finish or refinish Group II vehicles and mobile equipment or their parts where color match is not required, using any coating with a VOC-content in excess of the following limits, expressed as grams of VOC per liter (or pounds per gallon) of coating applied, excluding water and exempt compounds:

**Table 5** Group II Automotive Coating VOC-content Limits

COATING	VOC
Primer Sealer	420 g/L (3.5 lb/gal)
Solid Color Topcoat	420 g/L (3.5 lb/gal)

[District Rule 2.26, §302 (adopted November 9, 1994)/P-133-95]

~~52. For P-53-88, the Permit Holder shall not use an organic compound for surface preparation with a VOC-content in excess of 200 g/L (1.67 lb/gal). [District Rule 2.26, §304.1 (adopted April 27, 1994)/P-53-88]~~

~~53~~61. For P-133-95, the maximum VOC-content of solvents used for automotive surface preparation, except for surface preparation of plastic substrates, shall not exceed 72 g/L (0.6 lb/gallon). [District Rule 2.26, §303.1 (adopted November 9, 1994)/P-133-95]

~~54~~62. For P-133-95, the maximum VOC-content of solvents used for automotive surface preparation of plastic substrates shall not exceed 780 g/L (6.5 lb/gallon). [District Rule 2.26, §303.1 (adopted November 9, 1994)/P-133-95]

~~55. For P-53-88, the Permit Holder shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system or other system that has been demonstrated to be at least equivalent to an enclosed system and has been approved in writing by the APCO is used for cleanup. [District Rule 2.26, §304.2 (adopted April 27, 1994)/P-53-88]~~

~~56~~63. For P-133-95, the Permit Holder shall not use organic compounds for the cleanup of spray equipment unless the spray equipment is disassembled and cleaned in an enclosed gun washer or other low emission washing system that has been demonstrated to be at least equivalent to an enclosed system. [District Rule 2.26, §303.4 (adopted November 9, 1994)/P-133-95]

### **Wood Coating Operations**

~~57~~64. The Permit Holder shall not apply any wood product coating to any wood products unless using air assisted airless or high volume low pressure (HVLP) spray equipment. [District Rule 3.4/P-3-90]

### **Letterpress and Silkscreen Printing Operation**

~~58~~65. The maximum as-applied VOC-content (excluding water and exempt compounds) of letterpress inks shall not exceed 300 g/L (2.5 lb/gallon). [District Rule 3.4/C-06-64]

~~59~~66. The maximum as-applied VOC-content (excluding water and exempt compounds) of the high-VOC silkscreening inks shall not exceed 840 g/L (7.0 lb/gallon). [District Rule 3.4/C-06-64]

~~60~~67. The maximum as-applied VOC-content (excluding water and exempt compounds) of the medium-VOC silkscreening inks shall not exceed 540 g/L (4.5 lb/gallon). [District Rule 3.4/C-06-64]

~~61~~68. The maximum as-applied VOC-content (excluding water and exempt compounds) of the low-VOC silkscreening inks shall not exceed 120 g/L (1.0 lb/gallon). [District Rule 3.4/C-06-64]

~~62~~69. The maximum as-applied VOC-content (excluding water and exempt compounds) of adhesives used in the printing operation shall not exceed 660 g/L (5.50 lb/gallon). [District Rule 3.4/C-06-64]

~~63~~70. The maximum as-applied VOC-content of solvents used to prepare surfaces prior to ink or adhesive shall not exceed 200 g/L (1.67 lb/gallon). [District Rule 2.31, §301.1(a)/C-06-64]

~~64~~71. The maximum as-applied VOC-content of solvents used to clean ink or adhesive application equipment shall not exceed 800 g/L (6.67 lb/gallon) and a composite pressure of 33 mm Hg at 20 degrees Celsius. [District Rule 3.4/C-06-64]

- ~~65~~72. For P-77-92(a), the Permit Holder shall not perform solvent cleaning operations unless one of the following cleaning devices or methods is used:
- a. Wipe cleaning;
  - b. Spray bottles (or containers) with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
  - c. Non-atomized solvent flow method where the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. [District Rule 2.31, §302/C-06-64]

#### **Evaporation Loss Minimization**

- ~~66~~73. For P-167-95, the Permit Holder shall use closed containers for the disposal of cloth, paper, or other materials including solvent and spent solvent used for surface preparation, cleanup, and coating removal. [District Rule 2.25, §304.3/P-167-95]
- ~~67~~74. For P-41-88(a1) and P-22-04(a), the Permit Holder shall use closed containers for the disposal of cloth, paper, or other materials impregnated with VOC-containing materials. [District Rule 3.4/P-41-88(a1), C-07-176]
- ~~68~~75. For P-41-88(a1) and P-22-04, the Permit Holder shall store all liquid coatings in closed containers when not in use. [District Rule 3.4/P-41-88(a1), C-07-176]
76. For P-53-88(a), the Permit Holder shall use closed containers for the storage or disposal of cloth, paper, or other VOC containing materials (including paint, thinners, catalysts, reducers, solvent and spent solvent used for surface preparation, clean-up, and coating applications). [District Rule 2.26, §306, District Rule 2.31, §308, and District Rule 3.4/C-10-30]
- ~~69~~77. For ~~P-53-88 and~~ P-133-95, the Permit Holder shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup. [~~District Rule 2.26, §304.2 (adopted April 27, 1994)/P-53-88 and~~ District Rule 2.26, §303.2 (adopted November 9, 1994)/P-133-95]
- ~~70~~78. For ~~P-53-88 and~~ P-133-95, the Permit Holder shall store fresh or spent solvent in closed containers when not in use. [~~District Rule 2.26, §304.3 (adopted April 27, 1994)/P-53-88 and~~ District Rule 2.26, §303.3 (adopted November 9, 1994)/P-133-95]

~~71~~79. For P-77-92(a), the Permit Holder shall store all VOC-containing materials used in the printing operation, regardless of their VOC-content, in non-absorbent, non-leaking containers. The containers are to be kept closed at all times except when filling or emptying. [District Rule 3.4, §304/C-06-64]

### **Emergency IC Engines**

~~72~~80. For P-27-95, P-28-95, P-29-95, P-30-95, and P-31-95, the Permit Holder shall not operate any of the IC engines more than 1 hour per day and 12 hours per calendar year for maintenance and testing purposes, and such operation shall be scheduled in cooperation with the District so as to limit air quality impact. [District Rule 3.4/P-27-95, P-28-95, P-29-95, P-30-95, P-31-95]

~~73~~81. For P-64-04 and ~~P-61-09~~P-51-10, the Permit Holder shall not operate the IC engine more than 50 hours per calendar year for maintenance and testing purposes, and such operation shall be scheduled in cooperation with the District so as to limit air quality impact. [District Rule 3.4, §110.1/P-64-04, C-08-258]

~~74~~82. For P-64-04 and ~~P-61-09~~P-51-10, the Permit Holder shall not operate the IC engine more than 200 hours per calendar year. [District Rule 3.4, §110.1/P-64-04, C-08-258]

~~75~~83. For P-27-95, P-28-95, P-29-95, P-30-95, P-31-95, and P-64-04, and ~~P-61-09~~P-51-10, the Permit Holder shall not operate any of the IC engines for the supplying of power to a serving utility for distribution on the grid. [District Rule 3.4/P-27-95, P-28-95, P-29-95, P-30-95, P-31-95, P-64-04, C-08-258]

~~76~~84. For P-27-95, P-28-95, P-29-95, P-30-95, P-31-95, P-64-04, and ~~P-61-09~~P-51-10, the Permit Holder's operation of any IC engine for reasons other than maintenance purposes shall be limited to actual interruptions of electrical power by the serving utility. [District Rule 3.4/P-27-95, P-28-95, P-29-95, P-30-95, P-31-95, P-64-04, C-08-258]

~~77~~ For ~~P-61-09~~, the Permit Holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:  
~~a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or~~  
~~b. Greater than 20% opacity. [District Rule 3.4/C-08-258]~~

~~78~~85. For ~~P-61-09~~P-51-10, the Permit Holder shall not operated the engine within one-hundred thirty-five (135) feet of the nearest shoulder of Peabody Road. [District Rule 3.4/C-08-258]

**C. Monitoring and Testing Requirements**

~~79~~86. For P-41-88(a1) and P-22-04(a), ~~A~~a non-resettable, totalizing gaseous fuel flow meter shall be utilized to measure the quantity (in cubic feet) of natural gas combusted by the equipment of permits P-41-88(a1) and P-22-04(a). [District Rule 3.4/P-41-88(a1), C-07-176]

~~80~~87. For P-51-10, ~~T~~the Permit Holder shall install and maintain a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 3.4/C-08-258]

**D. Recordkeeping Requirements**

**Coating Operations**

~~81~~88. The Permit Holder shall keep a current list of coatings and solvents used on metal parts and products, which includes the name and manufacturer information, mixing instructions, and VOC-content of coatings and surface preparation and cleanup solvents as applied. [District Rule 2.25, §501.1(a)]

~~82~~89. The Permit Holder shall maintain monthly records of coatings used on metal parts and products showing the types and amounts of coating used. [District Rule 2.25, §501.1(b)(i)/C-02-142, P-133-95, and C-07-176]

~~83~~90. For P-167-95, the Permit Holder shall maintain a daily log of coating usages for coatings that meet the VOC standards of Section 301 of Rule 2.25. In addition, the Permit Holder shall maintain a separate daily log of coating usage for coatings not meeting the VOC standards of Section 301 of Rule 2.25. [District Rule 2.25, §501.1(b)(ii) & 501.1(d)]/P-167-95]

~~84~~91. For P-167-95, the Permit Holder shall maintain monthly records showing the type, name, and amount of solvent used for cleanup and surface preparation. [District Rule 2.25, §501.1(e)/P-167-95]

~~85~~92. For ~~P-53-88 and~~ P-133-95, the Permit Holder shall maintain a current list that includes the type of vehicle or equipment to which each automotive coating is applied, each coating and coating category, catalysts, additives, and reducers



used, the mix ratio of the components used, and the VOC-content of the coatings as applied. [District Rule 2.26, §507.1 and §507.2]

~~8693~~. For ~~P-53-88 and~~ P-133-95, the Permit Holder shall maintain records on a daily basis that include the automotive coating and mix ratio of components in the coating used, the quantity of each coating applied. [District Rule 2.26, §507.3]

~~8794~~. For ~~P-53-88 and~~ P-133-95, the Permit Holder shall maintain monthly records showing the type and amount of solvent used for cleanup and surface preparation. [District Rule 2.26, §507.4]

95. For P-53-88(a), the Permit Holder shall maintain a current list that includes the following for all VOC containing materials:

- a. Material name and manufacturer's product data sheet or material safety data sheet (MSDS);
- b. Material application method;
- c. Material category and specific mix ratio;
- d. Actual VOC content (in g/l or lb/gallon); and
- e. As-applied regulatory VOC content (in g/l or lb/gallon). [District Rule 3.4/C-10-30]

96. For P-53-88(a), the Permit Holder shall maintain records on a daily basis that include the coatings used, the quantity and mix ratio of each coating applied, and the corresponding VOC emissions. [District Rule 3.4/C-10-30]

97. For P-53-88(a), the Permit Holder shall maintain records on a monthly basis that include the solvents used, the quantity and mix ratio of each solvent applied, and the corresponding VOC emissions. [District Rule 3.4/C-10-30]

98. For P-53-88(a), the Permit Holder shall maintain purchase records identifying the type, name, and volume of each VOC containing material, and any other records necessary to demonstrate compliance with this permit. [District Rule 3.4/C-10-30]

99. For P-53-88(a), All required records shall be retained for a minimum of five (5) years and shall be made available for District inspection upon request. [District Rule 3.4/C-10-30]

#### **Letterpress and Silkscreen Printing Operation**

- ~~88~~100. For P-77-92(a), the Permit Holder shall maintain a list of all inks, ink additives, adhesives, and solvents used in the printing operation. The list shall include the VOC-content, and where applicable, vapor pressure of each material. [District Rule 3.4/C-06-64]
- ~~89~~101. For P-77-92(a), the Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each ink and adhesive used in the printing operation. [District Rule 3.4/C-06-64]
- ~~90~~102. For P-77-92(a), the Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each solvent used in the printing operation. [District Rule 3.4/C-06-64]

### **Emergency IC Engines**

- ~~91~~103. The Permit Holder shall maintain a log of the operation hours for this IC engine identifying the type of usage (either maintenance or emergency), the duration and date of each usage. The log shall be retained for a period of five (5) years and be made available to District personnel upon request. [District Rule 3.4, §501/P-27-95, P-28-95, P-29-95, P-30-95, P-31-95, P-64-04]
- ~~92~~104. For P-~~61-09~~51-10, the Permit Holder shall maintain a monthly log of usage that shall list and document the nature of use for each of the following:
- a. Emergency use hours of operation;
  - b. Maintenance and testing hours of operation;
  - c. Initial start-up hours;
  - d. Fuel use through the retention of fuel purchase records that account for all fuel used in the engine and all fuel purchased for use in the engine, and at a minimum contain:
    - i. Identification of fuel as CARB diesel or an approved alternative;
    - ii. Amount of fuel purchased;
    - iii. Date when fuel was purchased;
    - iv. Signature of owner/operator or representative who received the fuel;
    - v. Signature of the fuel provider indicating fuel was delivered.
- [District Rule 3.4/C-08-258]

- ~~93~~105. For P-~~61-09~~51-10, the Permit Holder shall retain the log for a minimum of 5 years from the date of entry. The records shall be maintained at a central location and shall be made available to District staff within 5 working days from the request. [District Rule 3.4/C-08-258]

### **Fuel Usage**

- ~~94~~106. The Permit Holder shall maintain a quarterly log of natural gas usage for the process of P-41-88(a1) and P-22-04(a). [District Rule 3.4/P-41-88(a1) and C-07-176]

## **III. FACILITY WIDE REQUIREMENTS**

### **A. Opacity**

- ~~95~~107. The permit holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:
- a. As dark or darker in shade as that designated as No. 2 on the Ringlemann Chart as published by the United States Bureau of Mines; or
  - b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection a. of this condition. [District Rule 2.3]

### **B. Nuisance**

- ~~96~~108. The permit holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [This permit condition is federally enforceable because it derives from District Rule 2.5 - Nuisance that is currently part of the California State Implementation Plan (SIP). The District is taking steps to remove Rule 2.5 from the SIP. Once the U.S. EPA has taken final action to remove District Rule 2.5 from the SIP, this permit condition will become state-enforceable only]

### **C. Circumvention**

~~97~~109. The permit holder shall not build, erect, install or use any article, machine, equipment, or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Division 26, Part 3 and Part 4 of the Health and Safety Code of the State of California or District Rules or Regulations. [District Rule 2.17]

**D. General Permit Requirements**

~~98~~110. No person shall build, erect, alter, or replace any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, without first obtaining an authorization to construct from the Air Pollution Control Officer as specified in Section 401 of District Rule 3.1. [District Rule 3.1, §301.1]

~~99~~111. No person shall operate any facility, article, machine, equipment, or other contrivance, for which an authorization to construct is required by District Rules and Regulations without first obtaining a written permit from the Air Pollution Control Officer. [District Rule 3.1, §302.1]

~~100~~112. No person shall operate any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, without obtaining a permit from the Air Pollution Control Officer or the Hearing Board. [District Rule 3.1, §302.2]

~~101~~113. The owner or operator of any facility, article, machine, equipment, or other contrivance for which a permit to operate is in effect shall notify the District office whenever a breakdown, malfunction, or operational upset condition exists which would tend to increase emissions of air pollutants or whenever any operating condition contrary to any provision of the permit to operate exists. Such notice shall be given to the District no later than four hours after occurrence during regular workday hours or no later than two hours of the District workday following an occurrence not during regular District workday hours. The notice shall provide the District information as to causes and corrective action being taken, with a schedule for return to required operating conditions. [District Rule 3.1, §405.3]

#### IV. TITLE V GENERAL REQUIREMENTS

##### A. Right of Entry

- ~~102~~114. The permit shall require that the source allow the entry of the District, ARB, or U.S. EPA officials for the purpose of inspection and sampling, including:
- a. Inspection of the stationary source, including equipment, work practices, operations, and emissions-related activity;
  - b. Inspection and duplication of records required by the permit to operate; and
  - c. Source sampling or other monitoring activities. [District Rule 3.8,, §302.10]

##### B. Compliance with Permit Conditions:

- ~~103~~115. The Permit Holder shall comply with all Title V permit conditions. [District Rule 3.8, §302.11(a)]
- ~~104~~116. The permit does not convey property rights or exclusive privilege of any sort. [District Rule 3.8, §302.11(b)]
- ~~105~~117. Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District Rule 3.8, §302.11(c)]
- ~~106~~118. The Permit Holder shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. [District Rule 3.8, §302.11(d)]
- ~~107~~119. A pending permit action or notification of anticipated non-compliance does not stay any permit condition. [District Rule 3.8, §302.11(e)]
- ~~108~~120. Within a reasonable time period, the Permit Holder shall furnish any information requested by the APCO, in writing, for the purpose of determining:
- a. Compliance with the permit; or
  - b. Whether or not cause exists for a permit or enforcement action. [District Rule 3.8, §302.11(f)]

##### C. Emergency Provisions:

- ~~109~~121. Within two weeks of an emergency event, the owner or operator shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:
- a. An emergency occurred;
  - b. The Permit Holder can identify the cause(s) of the emergency;
  - c. The facility was being properly operated at the time of the emergency;
  - d. All steps were taken to minimize the emissions resulting from the emergency; and
  - e. Within two working days of the emergency event, the Permit Holder provided the District with a description of the emergency and any mitigating or corrective actions taken; and
  - f. In any enforcement proceeding, the Permit Holder has the burden of proof for establishing that an emergency occurred. [District Rule 3.8, §302.12]

**D. Severability**

- ~~110~~122. If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgement shall not affect or invalidate the remainder of these conditions. [District Rule 3.8, §302.13]

**E. Compliance Certification**

- ~~111~~123. The responsible official shall submit a compliance certification to the U.S. EPA and the APCO every 12 months unless required more frequently by an applicable requirement. [District Rule 3.8, §302.14(a)]
- ~~112~~124. The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with the term or condition consistent with Sections 302.5, 302.6, and 302.7 of Rule 3.8. [District Rule 3.8, §302.14(b)]
- ~~113~~125. The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. [District Rule 3.8, §302.14(c)]

- ~~114~~126. The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. [District Rule 3.8, §302.14(d)]

**F. Permit Life**

- ~~115~~127. The Title V permit shall expire five years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted. [District Rule 3.8, §302.15]

**G. Payment of Fees**

- ~~116~~128. An owner or operator shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA. [District Rule 3.8, §302.16]

**H. Permit Revision Exemption**

- ~~117~~129. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [District Rule 3.8, §302.22]

**I. Application Requirements**

- ~~118~~130. An owner or operator shall submit a standard District application for renewal of the Title V permit, no earlier than 18 months and no later than six months before the expiration date of the current permit to operate. [District Rule 3.8, §402.2]
- ~~119~~131. An owner or operator shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the owner or operator shall submit copies of the latest preconstruction permit for each affected emissions unit. The emissions

unit(s) shall not commence operation until the APCO approves the permit revision. [District Rule 3.8, §402.3]

- ~~120~~132. An owner or operator shall submit a standard District application for each emissions unit affected by the proposed permit revision that qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. In the application, the owner or operator shall include the following:
- a. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;
  - b. Proposed permit terms and conditions; and
  - c. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. [District Rule 3.8, §402.4]

**J. Permit Reopening for Cause**

- ~~121~~133. Circumstances that are cause for reopening and revision of a permit include, but are not limited to, the following:
- a. The need to correct a material mistake or inaccurate statement;
  - b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
  - c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is 3 years or greater, no later than 18 months after the promulgation of such requirement (where less than 3 years remain in the authorized life of the permit, the APCO shall incorporate the requirements into the permit to operate upon renewal); or
  - d. Additional requirements promulgated pursuant to Title IV as they become applicable to any acid rain unit governed by the permit. [District Rule 3.8, §413.1]

**K. Recordkeeping**

- ~~122~~134. The permit holder shall record maintenance of all monitoring and support information required by any applicable federal requirement, including:
- a. Date, place, and time of sampling;
  - b. Operating conditions at the time of sampling;
  - c. Date, place, and method of analysis; and
  - d. Results of the analysis. [District Rule 3.8, §302.6(a)]



- ~~123~~135. The permit holder shall retain records of all required monitoring data and support information for a period of at least five years from the date of sample collection, measurement, report, or application. [District Rule 3.8, §302.6(b)]

**L. Reporting Requirements**

- ~~124~~136. Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO. For the purpose of this condition prompt means as soon as reasonably possible, but no later than 10 days after detection.[District Rule 3.8, §302.7(a)]

- ~~125~~137. A monitoring report shall be submitted at least every six months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7. a of Rule 3.8. [District Rule 3.8, §302.7(b)]

- ~~126~~138. All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. [District Rule 3.8, §302.7(c)]

- ~~127~~139. Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. [District Rule 3.8, §302.7(e)]